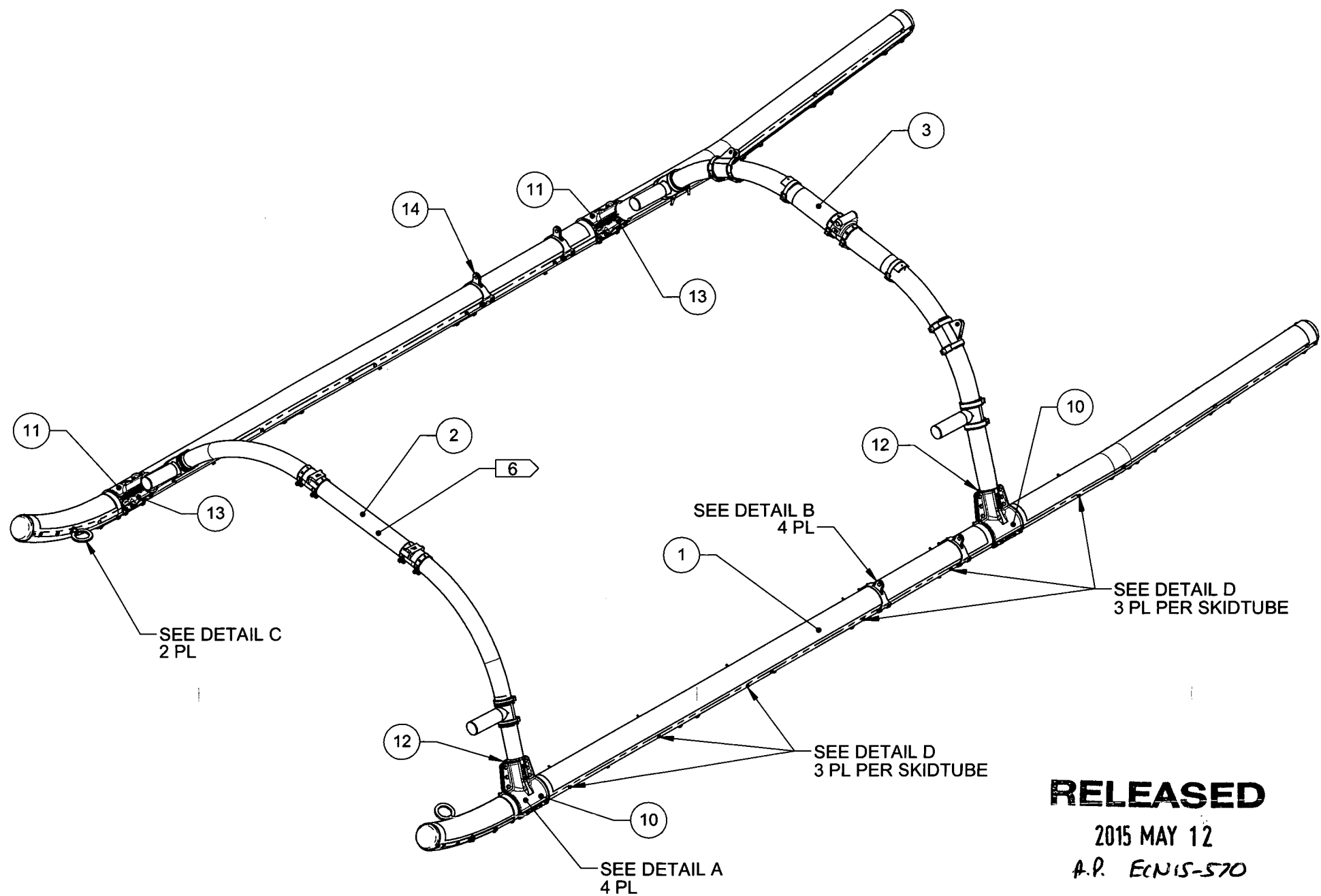


ITEM	QTY -031	P/N	DESCRIPTION
	X	D119-796-031	FLOAT GEAR WITH STD WEARPADS
1	2	D119-646-043	FLOAT SKIDTUBE WITH STD WEARPADS
2	1	D119-796-151	XTUBE ASSY (AW119 MKII FWD)
3	1	D119-796-251	XTUBE ASSY (AW119 MKII AFT)
4	48	D2652	BUSHING
5	2	D3407-041	TOW RING
6	4	D3417-5	WASHER
7	2	D3456-1	WASHER
8	48	D3672-3	PHENOLIC WASHER
9	48	D3672-7	PHENOLIC WASHER
10	2	D3883-1	SADDLE, OUTBOARD LH
11	2	D3883-2	SADDLE, OUTBOARD RH
12	2	D3884-1	SADDLE, INBOARD LH
13	2	D3884-2	SADDLE, INBOARD RH
14	4	D3886-041	LUG ASSEMBLY
15	12	AN3C45A	BOLT
16	8	AN3C46A	BOLT
17	16	AN3C50A	BOLT
18	24	AN4C6A	BOLT
19	36	MS21043-3	NUT, SELF-LOCKING
20	26	MS21043-4	NUT, SELF-LOCKING
21	8	MS21043-5	NUT, SELF-LOCKING
22	8	MS21250-05048	BOLT
23	48	NAS1149C0332R	WASHER
24	48	NAS1149C0432R	WASHER
25	16	NAS1149C0532R	WASHER



D119-796-031 FLOAT GEAR WITH STD WEARPADS

RELEASED

2015 MAY 12

A.P. ECN15-570

UNDER REVIEW

URF17-783 MB 17.12.05

NOTES:  
1) MATERIAL: N/A  
2) FINISH: NONE  
3) TOLERANCES: N/A  
4) UNITS: N/A  
5) BREAK SHARP EDGES: N/A  
6) IDENTIFICATION: INSTALL D2729-4 RED DECAL IN LOCATION SHOWN  
7) WEIGHT: 135.5 LBS

APPROVED

A	NEW ISSUE	AP	15.04.01
REV.	DESCRIPTION	BY	DATE
DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AP		
CHECKED	CP	DRAWING NO.	REV. A
MFG. APPR.	DD	D119-796-031	SHEET 1 OF 5
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	FLOAT GEAR WITH STD WEARPADS	NTS
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D

C

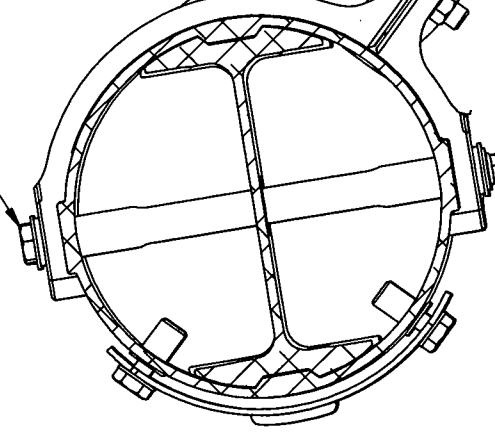
B

A

MS21250-05048 BOLT  
NAS1149C0532R WASHER  
D3672-7 WASHER  
2 PL  
10

D3883-1 SADDLE (LHS)  
D3883-2 SADDLE (RHS)

AN3C50A BOLT  
D3672-7 WASHER  
D2652 BUSHING  
4 PL  
10

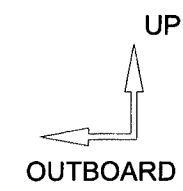


D3884-1 SADDLE (LHS)  
D3884-2 SADDLE (RHS)

D3672-7 WASHER  
NAS1149C0532R WASHER  
MS21043-5 NUT  
2 PL  
10

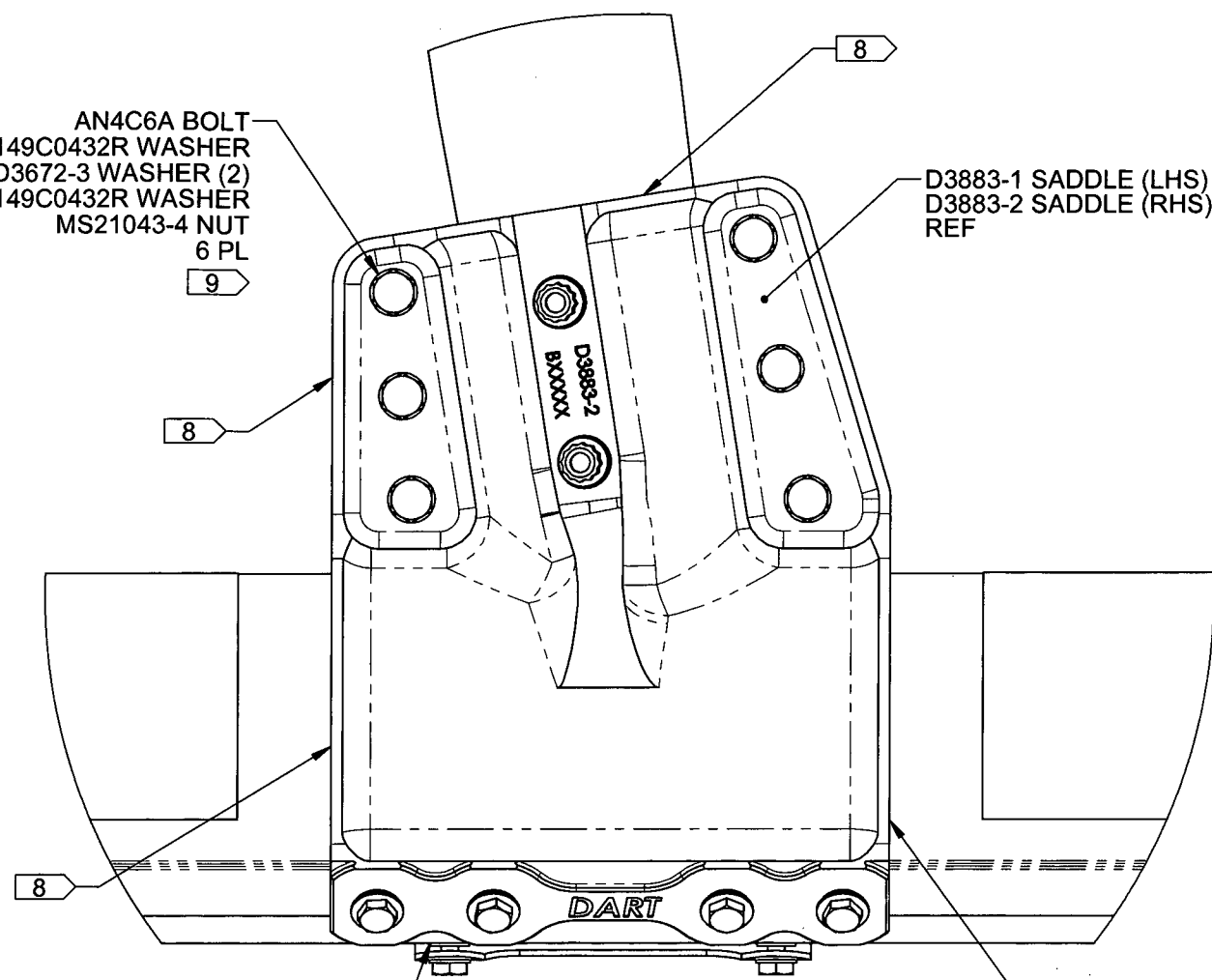
D2652 BUSHING  
D3672-7 WASHER  
NAS1149C0332R WASHER  
MS21043-3 NUT  
4 PL  
10

**DETAIL A**  
4 PL

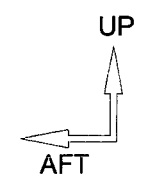


AN4C6A BOLT  
NAS1149C0432R WASHER  
D3672-3 WASHER (2)  
NAS1149C0432R WASHER  
MS21043-4 NUT  
6 PL  
9

D3883-1 SADDLE (LHS)  
D3883-2 SADDLE (RHS)  
REF



**DETAIL A**  
4 PL



**RELEASED**  
A.P. 2015 MAY 12

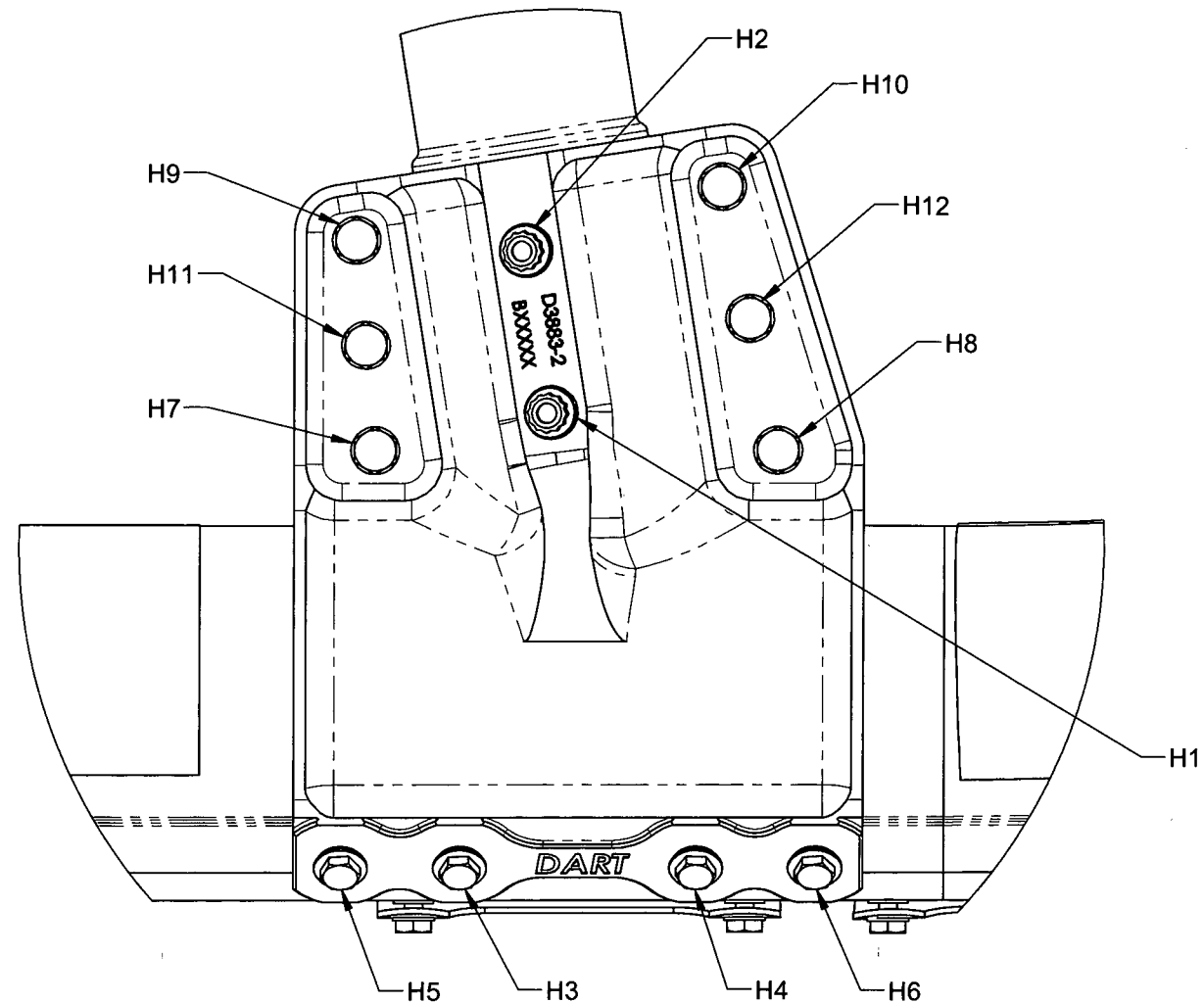
**UNDER REVIEW**

URF17-783 MB 17.12.05

- NOTES:**
- 1) MATERIAL: N/A
  - 2) FINISH: NONE
  - 3) TOLERANCES: N/A
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: N/A
  - 8) APPLY A CONTINUOUS BEAD OF SIKAFLEX -241/-291 OR PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT IN THE LOCATIONS SHOWN INCLUDING THE FOLLOWING:
    - A) ALONG SADDLE/CROSSTUBE INTERFACE
    - B) BETWEEN THE SADDLE FLANGES
    - C) ALONG SADDLE/SKIDTUBE INTERFACE
  - 9) LIGHTLY TIGHTEN ALL BOLTS IN THE NUMERICAL ORDER SPECIFIED ON SHEET 3, THEN TIGHTEN TO SPECIFIED TORQUE IN TABLE 1.
  - 10) INSTALL WET WITH SIKAFLEX -241/-291 OR PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT
  - 11) ALL NUTS TO BE INSTALLED ON THE INBOARD SIDE

APPROVED

DESIGN	AP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AP		
CHECKED	CP	DRAWING NO.	REV. A
MFG. APPR.	DD	<b>D119-796-031</b>	SHEET 2 OF 5
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	<b>FLOAT GEAR WITH STD WEARPADS</b>	NTS
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SUPPLEMENTAL VIEW - TORQUE SEQUENCE

TABLE 1: TORQUE SEQUENCE AND MAX TORQUE

TORQUE SEQUENCE	PART NUMBER	TORQUE
H1	MS21250-05048	66-85 IN-LBS (7.3 - 9.6 n-m)
H2	MS21250-05048	66-85 IN-LBS (7.3 - 9.6 n-m)
H3	AN3C50A	15-25 IN-LBS (1.7 - 9.6 N-m)
H4	AN3C50A	15-25 IN-LBS (1.7 - 9.6 N-m)
H5	AN3C50A	15-25 IN-LBS (1.7 - 9.6 N-m)
H6	AN3C50A	15-25 IN-LBS (1.7 - 9.6 N-m)
H7	AN4C6A	50-70 IN-LBS (5.7 - 7.9 N-m)
H8	AN4C6A	50-70 IN-LBS (5.7 - 7.9 N-m)
H9	AN4C6A	50-70 IN-LBS (5.7 - 7.9 N-m)
H10	AN4C6A	50-70 IN-LBS (5.7 - 7.9 N-m)
H11	AN4C6A	50-70 IN-LBS (5.7 - 7.9 N-m)
H12	AN4C6A	50-70 IN-LBS (5.7 - 7.9 N-m)

RELEASED

A.R. 2015 MAY 12

UNDER REVIEW

URF17-783 MB 17.12.05

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MFG. APPR.	DD	<b>D119-796-031</b>	SHEET 3 OF 5
APPROVED	HS	TITLE	SCALE
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8 7 6 5 4 3 2 1

D

D3407-041 TOW RING  
D3417-5 WASHER

9

INBOARD

C

B

**DETAIL C**  
2 PL

D3417-5 WASHER  
D3456-1 WASHER  
MS21043-4 NUT

8 9 11

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: NONE
  - 3) TOLERANCES: N/A
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: N/A
  - 8) INSTALL WET WITH SIKAFLEX -241/-291 OR PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT
  - 9) APPLY FAY SEAL AND FILLET SEAL USING SIKAFLEX -241/-291 OR PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT
  - 10) TORQUE AN3 HARDWARE TO 20-25 IN-LBS
  - 11) TORQUE AN4 HARDWARE TO 50-70 IN-LBS

A

8 7 6 5 4 3 2 1

D

D3886-041 LUG ASSEMBLY

9

D2652 BUSHING  
NAS1149C0332R WASHER  
MS21043-3 NUT  
2 PL

8 9 10

INBOARD

C

B

**DETAIL B**  
4 PL

D2652 BUSHING  
AN3C46A BOLT  
2 PL

8 9 10

**RELEASED**

4-8 2015 MAY 12

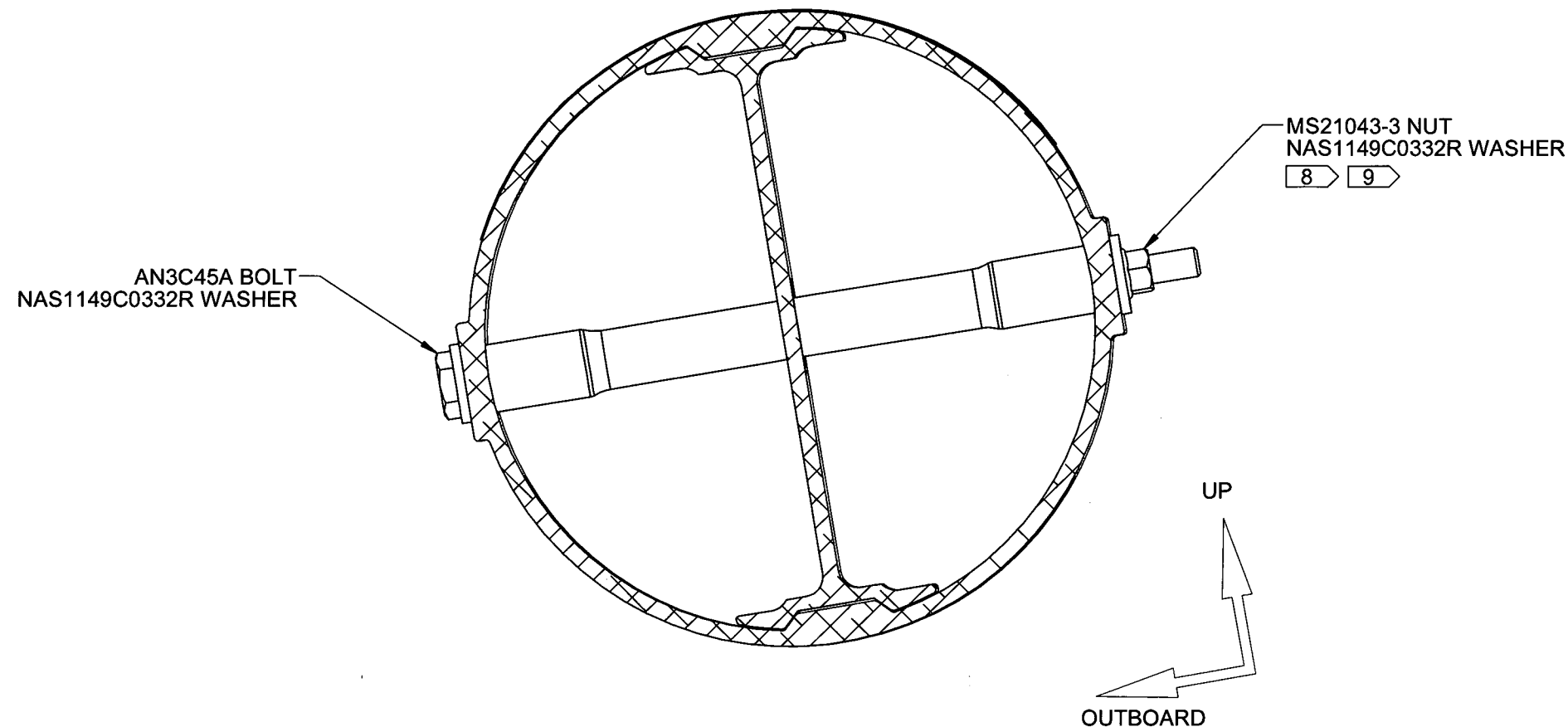
**UNDER REVIEW**

URF17-783 MB 17.12.05

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A



**DETAIL D**  
6 PL PER SKIDTUBE

**RELEASED**

A.R. 2015 MAY 12

**UNDER REVIEW**

URF17-783 MB 17.12.05

- NOTES:**
- 1) MATERIAL: N/A
  - 2) FINISH: NONE
  - 3) TOLERANCES: N/A
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: N/A
  - 8) LOOSELY INSTALL FASTENERS, DO NOT TORQUE
  - 9) INSTALL MS21043-3 NUT ON INBOARD SIDE OF SKIDTUBE

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APPROVED	HS	TITLE	SCALE
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